

Mars Intelligent On-line UPS

Rittal can now offer a cost efficient serie of single-phase UPS systems ranging from 750VA to 10kVA that includes both rack and tower units, line-interactive and on-line. Expandable battery-systems.

In today's world we are heavily reliant on technology and the power that drives it. If you do not have the correct protection you are putting your business at risk of downtime, lost data and even component damage.

The intelligent Mars series is a cost effective way of meeting your critical power needs and Integrated seamlessly into the modern network environment.



- Double Conversion Online Technology
- Unity Input Power Factor
- Single-Chip Microprocessor Control
- Pure Sine Wave Output
- User Friendly Display
- Smart RS232 Communication Interface
- User- friendly Plug and Play Design
- Customer Options Slot
- Matching Battery Cabinet
- Optional Powerful Charger Available

About Rittal UPS's.

The Rittal UPS's is ideally suited to all applications in the IT environment, as well as for all other requirements such as medical technology, automation technology, plant control etc.

A scalable autonomy of up to 2 h at 100 % load ensures a broad spectrum of applications.

Batteries "hot swap" compatible, may be exchanged from the front. 10-year batteries available at request. Rittal also offer bigger UPS systems, range from 10 kVA to 2,7 MVA.

On-line UPS

Technical Specification

MODEL	XSEMS1000	XSEMS2000	XSEMS3000
INPUT			
Voltage (Vac)	80~140 or 160~280		
Frequency (Hz)	50/60±5%(Auto Sensing)		
Phase	Single		
Input Power Factor	>0.98(Full Load)		
OUTPUT			
Voltage (Vac)	100/110/120/127 or 200/220/230/240		
Capacity (VA/W)	1000VA/700W	2000VA/1400W	3000VA/2100W
Rated Power Factor	0.7		
Load Power Factor Range	0.5 Lagging to Unity within KW rating of unit		
Wave Form	Sine Wave, THD < 3%(no load to full load)		
Voltage Regulation	±2%		
Transient Response (ms)	±4% under full load, change and correct within 60ms		
Frequency Stability	±0.5Hz (Free Running)		
Synchronization	Slew Rate: 1Hz/Sec. Max. Synchronizing Window±5%		
Transfer Time	0 ms		
Crest Factor	3:1		
Efficiency (AC to AC)	up to 88%		
Autonomy	>7min.		
DC Start	Yes		
BATTERY			
Type	Sealed Lead Acid Maintenance Free		
Quantity (pcs)	3	6	8
Voltage(Vdc)	36	72	96
Recharge Time	8 Hours to 90%		
Supplementary Charger	Optional 200W/500W Charger for extended backup application		
DISPLAY			
LED	Utility, Battery Low, Inverter, Bypass, Self-Test, Over Load, Load/Battery Level, and Fault conditions		
Self Diagnostics	Push Button(On demand)		
PROTECTION			
Overload	AC Mode: 1) <105% continuously. 2) 105%~120% delay 50 seconds before switching to bypass. 3) 120%~150% delay 10 seconds before switching to bypass. 4) >150% immediately switching to bypass. Backup Mode: Same delay time as AC mode, then completely shutdown.		
Short Circuit	Hold Whole System		
Overheat	Switch to Bypass		
High Voltage Trip	Switch to Backup Mode		
Battery Low	Alarm and Switch Off		
Noise Suppression	Complies with EN62040-2		
Spike Suppression	Complies with EN61000-4-5		
ALARMS			
Audible and Visual	Line Failure, Battery Low, Transfer to Bypass, Over Load, System Fault Conditions		
PHYSICAL			
Dimensions (WxHxD, mm/inch)	147x223x401/5.8"x8.8"x15.8"	130x365x479/5.1"x14.4"x18.9"	190x365x453/7.5"x14.4"x17.9"
Outlets (NEMA)120Vac	4x5-15R	4x5-15R + 2x5-20R	6x5-15R+2x5-20R
Outlets (IEC/Local) 230Vac	3pcs/1pce	3pcs/2pcs	Terminal/2pcs
Net Weight(Kgs/lbs)	15/33.0	27/59.5	32/70.5
ENVIRONMENT			
Operating Temperature	0°C ~ 40°C / 0°F ~ 140°F		
Temperature Warning	The battery design life is based on a temperature of 25°C /77°F. Ambient temperature above this range will reduce battery life.		
Altitude	0~2000m/6600ft up to 40°C/104°F, 3000m/9900ft up to 35°C / 95°F		
Humidity	90% RH Maximum, Non-Condensing		
Noise	< 45dB (at 1meter/3.3ft)		
COMPUTER INTERFACE			
Interface Type	Standard RS232		
Communication Slots	Relay Contact Board, SNMP/WEB card, etc.		
Compatible Platforms	Windows 95/98/NT/2000/XP/Vista, Novell NetWare, Linux, etc.		
SAFETY CONFORMANCE			
Quality Assurance	ISO9001 Certified Company		
Safety Standard	EN62040-1-1, UL		
EMC Standard	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A		
Marks	CE, UL, cUL		

* Above specifications are subject to change without prior notice

Vill du veta mer?

Ring våra innesäljare eller besök www.rittal.se.

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